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(WO/2005/053182) A METHOD AND APPARATU FOR IMPLEMENTII CDMA COMMUNICATION SYSTEM

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Applicants: **ZTE CORPORATION** [CN/CN]; ZTE Plaza, Keji Road South Hi-Tech Industri
Shenzhen, Guangdong 518057 (CN) (*All Except US*).

LI, Lilin [CN/CN]; ZTE Plaza, Keji Road South Hi-Tech Industrial Park, Nans
Guangdong 518057 (CN) (*US Only*).

XIANG, Jiying [CN/CN]; ZTE Plaza, Keji Road South Hi-Tech Industrial Park
Guangdong 518057 (CN) (*US Only*).

WU, Yanwei [CN/CN]; ZTE Plaza, Keji Road South Hi-Tech Industrial Park, N
Guangdong 518057 (CN) (*US Only*).

Inventors: **LI, Lilin** [CN/CN]; ZTE Plaza, Keji Road South Hi-Tech Industrial Park, Nans
Guangdong 518057 (CN).

XIANG, Jiying [CN/CN]; ZTE Plaza, Keji Road South Hi-Tech Industrial Park
Guangdong 518057 (CN).

WU, Yanwei [CN/CN]; ZTE Plaza, Keji Road South Hi-Tech Industrial Park, N
Guangdong 518057 (CN).

Agent: **BEIJING SANYOU INTELLECTUAL PROPERTY AGENCY LTD.**; 40 North
Beijing 100088 (CN).

Title: A METHOD AND APPARATU FOR IMPLEMENTING BEAM FORMING IN CI
SYSTEM

Abstract: The present invention relates to a method and apparatus. For
implementing beam forming in CDMA communication system . It provides
a plurality of fixed beams formed within a sector. A plurality of fixed beams
used in the same smart antennas system are formed narrow beam traffic
channel and common channel having sector beam at the same time. It
can overcome the differ from the change of time and temperature with
phase of each path. So it need not complex technique of calibration. The
capacity and performance in multi-antennas CDMA system have been
improved. It resolves the problem that the coherent of each of fixed
beams of space vector overlaps at some areas, when it transmits the
common channel in multi-antennas CDMA system. The intensity of the
polite channels and traffic channels becomes corresponding proportion;
the received signal's ratio of the signal to noise is increased in mobile
stations. The optical transceiver system is set between baseband and
TRX; the more carriers are sustained in the baseband system. The distance t
frequency and the antenna is very close; the power cost is reduce.

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